

WHAT IS CLAIMED IS:

1. A screen printing plate comprising:
an ink permeable member through which ink can permeate;
a pattern of ink blocking material adhered to the ink permeable member and blocking the permeation of ink through the ink permeable member; and
the ink blocking material comprising a solidified fluid material which is ejected onto the ink permeable member.
2. The screen printing plate of claim 1, wherein the ink blocking material adhered to the ink permeable member is solidified by applying at least one of pressure and heat to the ink permeable member.
3. A screen printing plate comprising:
an ink permeable member through which ink can permeate;
and
a pattern of ink blocking material adhered to the ink permeable member and blocking the permeation of ink through the ink permeable member, the ink blocking material comprising a solidified fluid material, which has been ejected onto a transfer member and transferred from the transfer member to the ink permeable member.
4. The screen printing plate of claim 1, wherein the ink blocking material is ejected using an ink jetting device.

5. The screen printing plate of claim 1, wherein the ink permeable member comprises a mesh.
6. The screen printing plate of claim 1, further comprising a supporting substrate for supporting the ink permeable member.
7. The screen printing plate of claim 6, wherein the supporting substrate has an opening so that the surface of the ink permeable member is exposed.
8. The screen printing plate of claim 6, wherein at least a portion of the supporting substrate is removably provided.
9. The screen printing plate of claim 1, wherein the ink blocking material comprises wax.
10. The screen printing plate of claim 1, wherein the ink blocking material is solid at a temperature which is no more than room temperature.
11. The screen printing plate of claim 1, wherein the ink blocking material is photo-curable.

12. The screen printing plate of claim 1, wherein the ink blocking material comprises a photo-curing agent.

13. A method for manufacturing a screen printing plate, comprising the steps of:

providing an ink permeable member through which ink can permeate; and

ejecting a fluid ink blocking material for blocking permeation of ink onto the ink permeable member such that a pattern of ink blocking material adheres to the ink permeable member, thereby forming the pattern of ink blocking material on the ink permeable member.

14. A method for manufacturing a screen printing plate, comprising the steps of:

providing a transfer member;

ejecting a fluid ink blocking material for blocking permeation of ink onto a transfer member such that a pattern of ink blocking material adheres to the transfer member;

providing an ink permeable member through which ink can permeate; and

transferring the pattern of ink blocking material adhering to the transfer member onto the ink permeable member such that the pattern of ink blocking material is formed on the ink permeable member.

15. The method of claim 13, wherein the ink blocking material is ejected using an ink jetting device.

16. A device for manufacturing a screen printing plate from an ink permeable member through which ink can permeate using ink blocking material which adheres to the ink permeable member for blocking permeation of ink, wherein said device comprises an ejection means for ejecting a fluid ink blocking material onto the ink permeable member so as to form a pattern of ink blocking material thereon.

17. The device of claim 16, further comprising a means for applying at least one of pressure and heat to the ink blocking material ejected onto the ink permeable member.

18. A device for manufacturing a screen printing plate from an ink permeable member through which ink can permeate using ink blocking material which adheres to the ink permeable member for blocking permeation of ink, said device comprising:

a transfer member;

an ejection means for ejecting onto the transfer member a fluid ink blocking material for forming a pattern of ink blocking material; and

a transfer means for transferring the pattern of ink blocking material on the transfer member to the ink permeable member,

whereby the pattern of ink blocking material is formed on the ink permeable member.

19. The device of claim 16, wherein the ejection means for ejecting the ink blocking material onto the transfer member includes an ink jet ejection mechanism.

20. A screen printing method comprising a step of screen-printing an image on a material to be printed by using the screen printing plate of claim 1.

21. A screen printing device comprising means for screen-printing an image on a material to be printed by using the screen printing plate of claim 1.

22. A screen-printed matter obtained by the screen printing device of claim 21.